

Amendments to the Specification

Please replace the following new paragraph at page 13, line 22:

FIG. 2 is an exemplary flow chart of the catalytic combustion gas turbine system according to the present disclosure.

Please replace the paragraph at page 15, line 24 to page 16, line 2 with the following amended paragraph:

The gas exiting the recuperator 11 through primary outlet 28, then flows into the pre-burner 12 through an inlet 29. During normal continuous operation of the system, the gas flows through the pre-burner 12 without any change in its composition, temperature, pressure or other properties, such that the gas exits the pre-burner 12 through outlet 31 unchanged from the gas that entered through inlet 29. The pre-burner 12 is only operated during the start-up of the system and during low load operation. During these instances, start-up fuel such as LPG is injected into the pre-burner through the start-up fuel inlet 30. The pre-burner 12 is then operated to facilitate partial combustion of both the start-up fuel and the gas entering through inlet 29, before complete combustion occurs in the catalytic combustor 13. In one exemplary embodiment, flow rate of the start-up fuel in the inlet 30 is 0, as shown in step 55 of Figure 2, and process outlet stream from the pre-heater passes through the pre-burner 12 unreacted, as shown in step 60 of Figure 2, during normal continuous operation of the system.

Please replace the paragraph at page 17, lines 11-15 with the following amended paragraph:

The system also includes a waste heat boiler 50 ~~(not shown)~~. The gas exiting the secondary outlet 37 of the recuperator 11 enters the waste heat boiler, where it is processed to recover as much of the remaining energy in the gas as possible